

**Notice of Allowability**

Application No.

10/685,910

Examiner

Tuan N. Nguyen

Applicant(s)

KEH ET AL.

Art Unit

2828

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 07/10/2006.
2. ☒ The allowed claim(s) is/are 1,5,6,10,14,15 and 18-23.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 6/5/2006; 7/13/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 08/01/2006.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

**DETAIL ACTION**

***Response to Amendment***

1. In responding to applicant's amendment filed 07/10/2006, claims 1, 10, 22, 23 have been amended, claims 2-4, 7-9, 11-13 have been canceled.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below, to the amended claims 15, 16, 17 should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview on August 1, 2006 with Mr. Steve Cha (Attorney for Applicant, Reg. No. 44,069) on 8/1/2006.

**Claim 15:**

An optical element module package having a laser diode for projecting optical signals and a photo diode for monitoring the optical signals projected from the laser diode, comprising:

a stem having a first through-hole formed in a long-hole shape and a pair of second through-holes formed on the stem; and

a radio-frequency lead provided in the first through-hole and a plurality of leads provided in the second through-holes;

wherein the radio frequency lead comprises a radio-frequency signal led and a pair of ground leads;

wherein the plurality of leads constitute a DC bias lead and lead for a photo diode.

**Claim 16: Canceled**

**Claim 17: Canceled**

### **REASON FOR ALLOWANCE**

#### ***Allowable Subject Matter***

3. The following is an examiner's statement of reasons for allowance - Applicant's response filed on 07/10/2006 has been considered, with respect to claims 1, 10, 15 the references of the record fail to teach or suggest an optical element module package and method thereof comprising:

**Claims 1, 10:**

a laser diode and a photo diode for monitoring the optical signals, having a stem with long-through-hole shape parallel to the diametric direction of the stem, *where a heat sink block adjacent to the first through hole, and a sub-mount having a circuit pattern and mounted with laser diode and photodiode attached to one end of the heat sink block, where plurality of leads in the first through-hole sealed with glass material.*

**Claim 15:**

a laser diode and a photo diode for monitoring the optical signals comprising a stem having a first through-hole formed in a long-hole shape and a pair of second through-holes

Art Unit: 2828

formed on the stem, where a radio-frequency lead comprises a radio-frequency signal lead and a pair of ground leads is provided in the first through-hole while the other plurality of leads provided in the second through-holes constitute a DC bias lead and lead for a photo diode.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

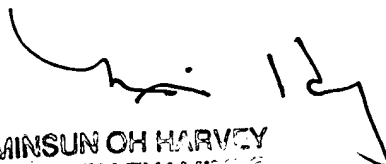
#### **Communication Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harvey Minsun can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan N. Nguyen



MIN SUN OH HARVEY  
PRIMARY EXAMINER